

Title (en)  
REDUNDANT VEHICLE CONTROL SYSTEMS

Title (de)  
DISPOSITIF REDONDANT DE COMMANDE DE VÉHICULE

Title (fr)  
REDUNDANTES FAHRZEUGSTEUERUNGSSYSTEM

Publication  
**EP 3423353 B1 20191211 (EN)**

Application  
**EP 17711836 A 20170227**

Priority  
• US 201615059494 A 20160303  
• US 2017019664 W 20170227

Abstract (en)  
[origin: US2017253318A1] A redundant control system for a vehicle includes: one or more actuator housings; a plurality of actuator pistons coupled to the actuator housings, each of the actuator pistons mechanically coupled to one another and a common output device; a plurality of primary stages coupled to the actuator housings, each of the primary stages operatively coupled to move a respective actuator piston relative to at least one of the actuator housings, and each of the primary stages functioning independent of any other primary stage when the control system is operating in a flight-operation mode; and an auxiliary stage operatively coupled to move a first of the plurality of actuator pistons relative to at least one of the actuator housings when the control system is operating in a ground-operation mode, with each of the plurality of primary stages being responsive to movement of the first actuator piston by the auxiliary stage.

IPC 8 full level  
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CPC (source: EP US)  
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